



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

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www.miamidade.gov/pera/

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Historical Arts and Casting, Inc.
5580 West Bagley Park Road
West Jordan, UT 84081

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Palmetto" Outswing Bronze Casement Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. H222.1008.11, titled "Palmetto Series Outswing Bronze Casement Windows", sheets 01 through 10 of 10, dated 02/21/11 with the latest revision dated 07/17/14, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 11-0602.06 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.



J. Gascon
7/28/14

NOA No. 13-1217.26

Expiration Date: March 29, 2017

Approval Date: July 31, 2014

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **H222.1008.11**, titled "Palmetto Series Outswing Bronze Casement Windows", sheets 01 through 10 of 10, dated 02/21/11 with the latest revision, dated 07/17/14, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94 and
AAMA 1304-02
along with marked-up drawings and installation diagram of casement window, prepared by Architectural Testing, Inc., revised Test Report No. **ATI-B3804.01-450-18-R1**, dated 03/28/14, signed and sealed by Vinu J. Abraham, P. E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, TAS 202-94 and
AAMA 1304-02
along with marked-up drawings and installation diagram of casement window, dated 10/16/12, prepared by Architectural Testing, Inc., Test Report No. **ATI-B3804.01-450-18**, dated 10/09/13, signed and sealed by Vinu J. Abraham, P. E.
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of casement window, specimen # 03, prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0222-0521-01**, dated 12/27/01, signed and sealed by Vinu J. Abraham, P. E.



Jaime D. Gascón, P. E.
Product Control Section Supervisor
NOA No. 13-1217.26
Expiration Date: March 29, 2017
Approval Date: July 31, 2014

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of casement window, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0222-0701-09**, dated 04/13/10, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 11-0602.06)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 12/13/13, prepared by Wolters Engineering, Inc., signed and sealed by Scott Wolters, P. E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE


1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-1105.10** issued to **SAF-GLAS, LLC** for their "SAF-GLAS Polycarbonate Glass Interlayer", dated 12/19/13, expiring on 12/16/17.

F. STATEMENTS

1. Statement letter of conformance and complying with **FBC-2010**, issued by Wolters Engineering, Inc., dated 12/13/13, signed and sealed by Scott Wolters, P. E.
2. Statement letter of no financial interest and independence, issued by Wolters Engineering, Inc., dated 12/13/13, signed and sealed by Scott Wolters, P. E.
3. Laboratory compliance letter for revised Test Report No. **ATI-B3804.01-450-18-R1**, issued by Architectural Testing, Inc., dated 03/28/14, signed and sealed by Vinu J. Abraham, P. E.
4. Laboratory compliance letter for Test Report No. **ATI-B3804.01-450-18**, issued by Architectural Testing, Inc., dated 10/09/13, signed and sealed by Vinu J. Abraham, P. E.
5. Laboratory compliance letter for Test Report No. **HTL-0222-0521-01**, issued by Hurricane Test Laboratory, Inc., dated 12/27/01, signed and sealed by Vinu J. Abraham, P. E.


Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-1217.26
Expiration Date: March 29, 2017
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Historical Arts and Casting, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

6. Laboratory addendum letter for Test Report No. **HTL-0222-0701-09**, issued by Hurricane Test Laboratory, LLC, dated 10/21/11, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 11-0602.06)
7. Laboratory compliance letter for Test Report No. **HTL-0222-0701-09**, issued by Hurricane Test Laboratory, LLC, dated 04/13/10, signed and sealed by Vinu J. Abraham, P. E.
(Submitted under previous NOA No. 11-0602.06)

G. OTHERS

1. Notice of Acceptance No. **11-0602.06**, issued to Historical Arts and Casting, Inc. for their Series "HACI 2000 Outswing Bronze Casement Window - L.M.I.", approved on 03/29/12 and expiring on 03/29/2017.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 13-1217.26
Expiration Date: March 29, 2017
Approval Date: July 31, 2014

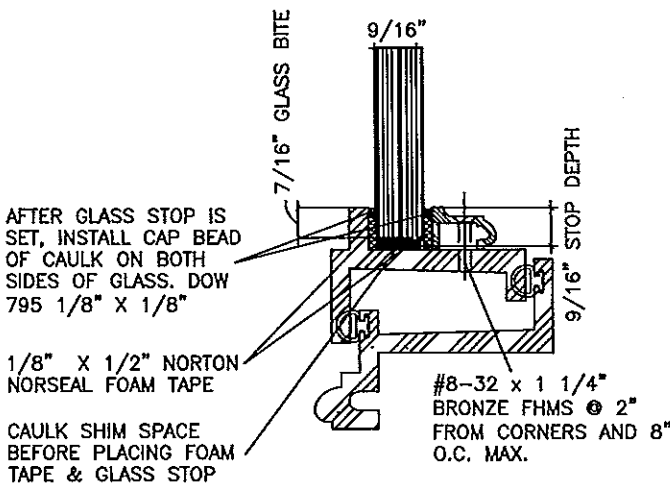
PALMETTO SERIES
BRONZE OUTSWING CASEMENT WINDOWS

GENERAL NOTES:

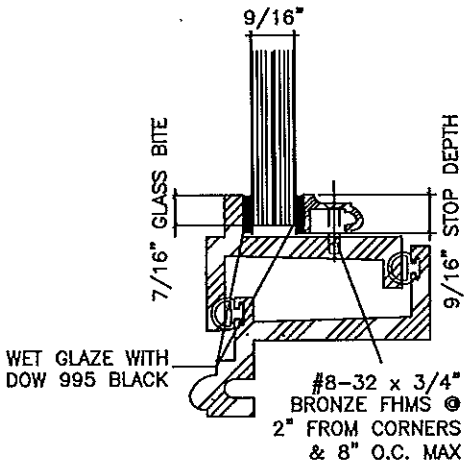
1. THIS APPROVAL APPLIES TO PALMETTO SERIES IMPACT RESISTANT OUTSWING CASEMENT WINDOWS WHEN CONSTRUCTED AND INSTALLED AS DESCRIBED HEREIN.
2. APPROVED CONFIGURATIONS: SINGLE "X" OUTSWING WITH RECTANGULAR OR ROUND TOP, WITH OR WITHOUT HACI FIXED WINDOWS PER SEPARATE APPROVAL, DOUBLE "XX" OUTSWING, AND DOUBLE "XOX" OUTSWING.
3. ALLOWABLE DESIGN PRESSURES: +/-70 PSF
4. THESE WINDOWS HAVE BEEN DESIGNED AND TESTED TO TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 AND FBC 2010 INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
5. THESE WINDOWS ARE LARGE AND SMALL MISSILE IMPACT RATED, SHUTTERS ARE NOT REQUIRED.
6. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
7. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
8. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTER 20.
10. WIND LOAD ALLOWABLE STRESS INCREASES WERE NOT USED IN THIS APPROVAL. A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS.
11. WINDOWS SHALL BE GLAZED IN ACCORDANCE WITH DETAIL A AND B ON THIS SHEET AND THE TABLE BELOW.

DRAWING INDEX	
SHT. NO.	DESCRIPTION
1	NOTES, GLAZING DETAILS
2	WINDOW ELEVATIONS
3	BILL OF MATERIALS
4	MOUNTING AND MOLDING OPTIONS
5	SECTION DETAILS
6	EXTRUSIONS PROFILES
7-9	HARDWARE DETAILS
10	EXPLODED/ISOMETRIC VIEWS

TYPICAL GLAZING DETAIL

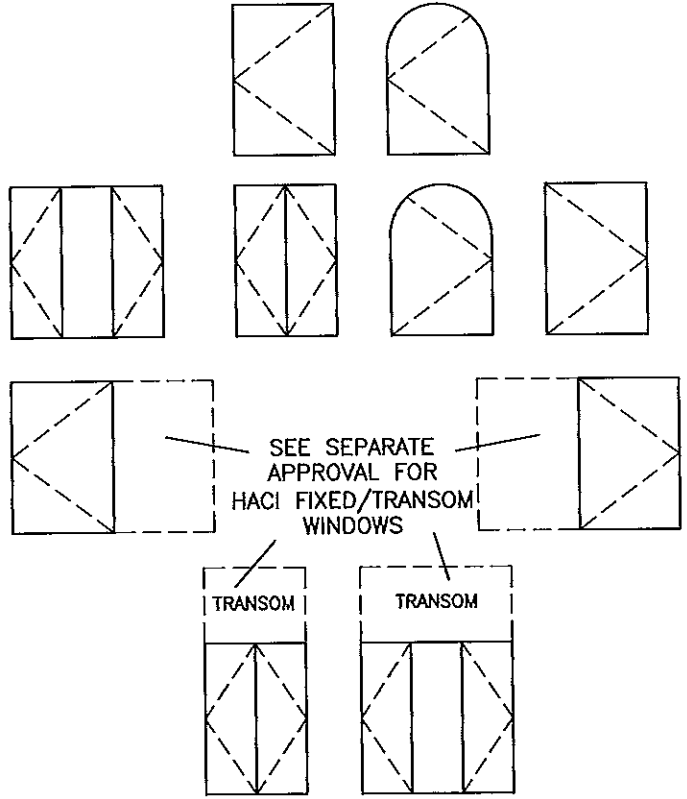


(A) SAF-GLAS
GLAZING DETAIL



(B) VANCEVA
GLAZING DETAIL

GLASS TYPE	GLASS THICKNESS	LAYERS	PRESSURE
SAF-GLAS (GLASS TYPE A)	9/16"	1. 3/16" HEAT STRENGTHENED GLASS 2. 0.05" URETHANE ADHESIVE 3. 1/8" SAF-GLAS POLYCARBONATE 4. 0.05" URETHANE ADHESIVE 5. 3/16" HEAT STRENGTHENED GLASS	+70/-70 PSF
VANCEVA (GLASS TYPE B)	9/16"	1. 1/4" HEAT STRENGTHENED GLASS 2. 0.075 Solutia VANCEVA COMPOSIT LAYER 3. 1/4" HEAT STRENGTHENED GLASS	+70/-70 PSF



APPROVED CONFIGURATIONS
(NOT SHOWN HERE ARE REQ'D TRUE
DIVIDED LITES, SEE ELEV. SHEETS 2 AND 3)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 13-127726
Expiration Date 03/29/2017
By [Signature]
Miami Dade Product Control

SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312
101 17 2014

PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS

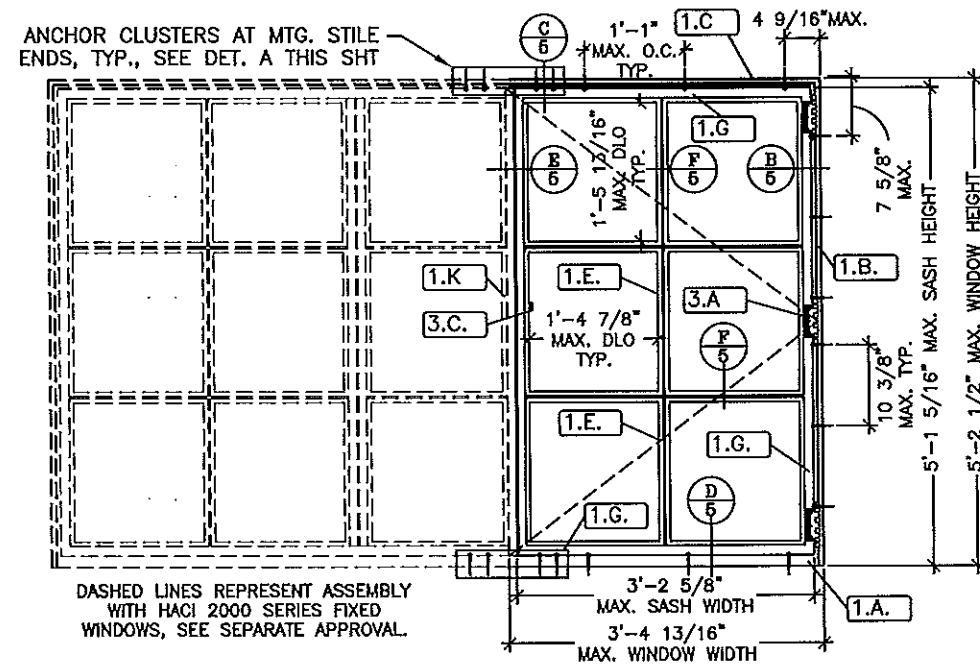
HISTORICAL ARTS & CASTING, INC.
5580 West Bayway Park Rd., West Jordan, UT 84081
PHONE 801-280-2400 FAX 801-280-2493



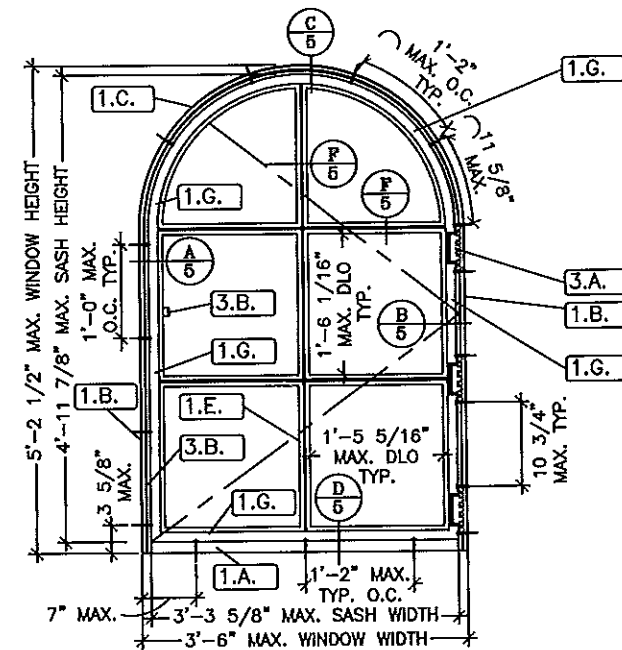
12/6/13	RKH
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NOTES REVISIONS

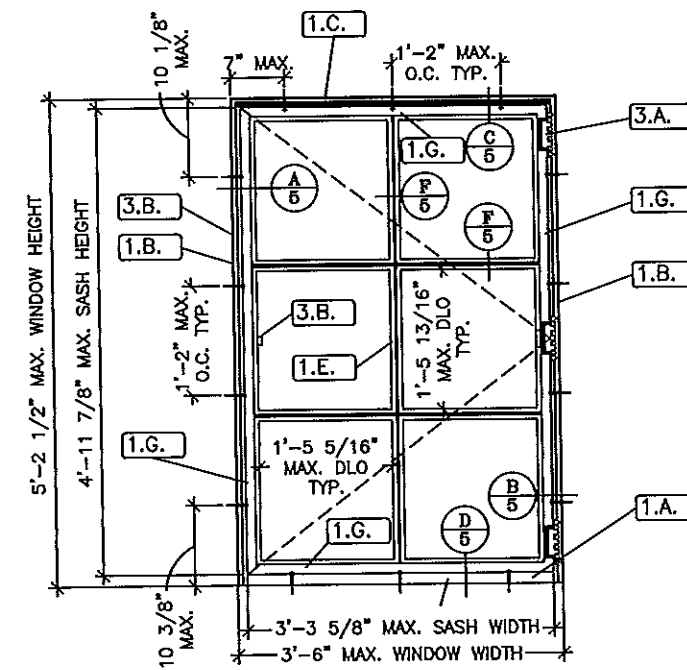
CASEMENT WINDOWS



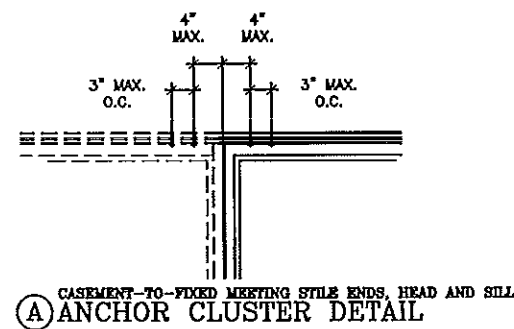
① CASEMENT WITH FIXED WINDOW EXTERIOR ELEVATION



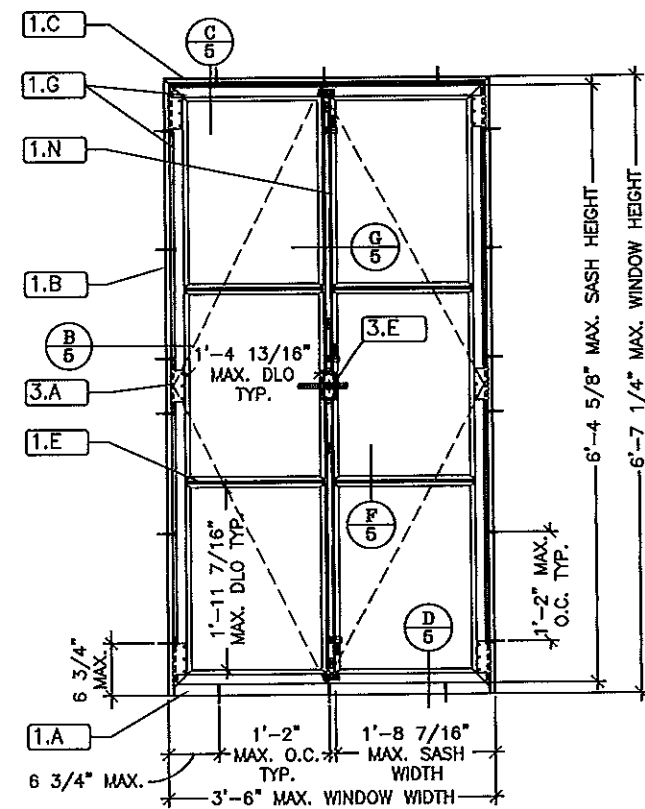
② ROUND TOP EXTERIOR ELEVATION



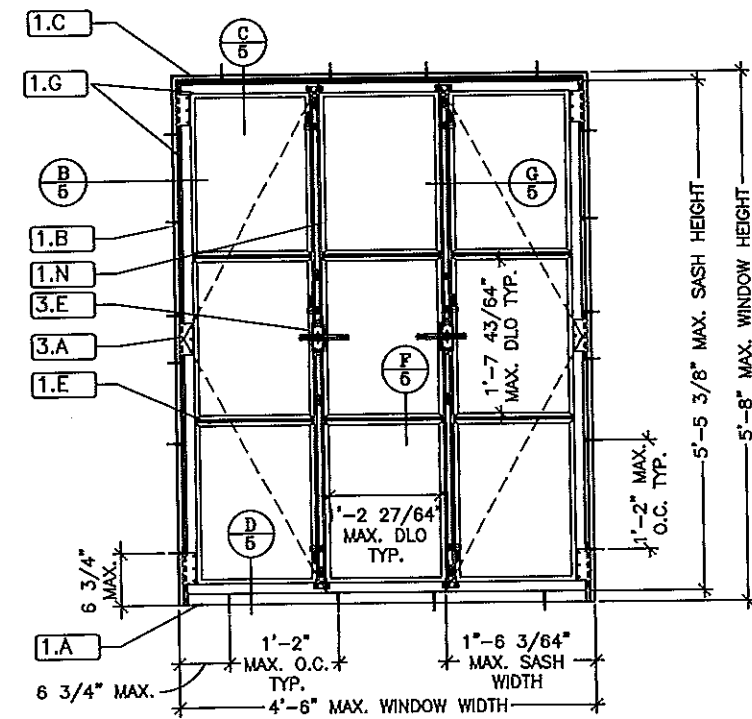
③ RECTANGULAR TOP EXTERIOR ELEVATION



④ CASEMENT-TO-FIXED MEETING STILE ENDS, HEAD AND SILL ANCHOR CLUSTER DETAIL



⑤ DOUBLE CASEMENT EXTERIOR ELEVATION



⑥ DOUBLE CASEMENT WITH FIXED CENTER LITE EXTERIOR ELEVATION

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as complying with the Florida
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Miami Dade Product Control

SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312
JUL 17 2014

PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS
HISTORICAL ARTS & CASTING, INC.
5580 WEST BAYVIEW PARK RD., WEST JORDAN, UT 84081
PHONE 801-280-2490 FAX 801-280-2493

NOTES	REVISIONS
	12/6/13
	RKH
2 OF 10	

BILL OF MATERIALS

PART DESCRIPTION	MATERIAL	MANUFACTURER	DET/SHEET
BRONZE EXTRUSIONS			
1.A. SILL-DW2000.01/ CR99B1.1	BRONZE 380	HACI	4/6 OF 10
1.B. JAMB-DW2000.02 CR99B1.2	BRONZE 380	HACI	3/6 OF 10
1.C. HEAD-DW2000.03/ CR99B1.3	BRONZE 380	HACI	6/6 OF 10
1.E. MUNTIN-DW2000.05/ CR99B2.2	BRONZE 380	HACI	1/6 OF 10
1.F. GLASS STOP-DW2000.06/ CR99B3	BRONZE 380	HACI	2/6 OF 10
1.G. SASH-DW2000.04 / CR99B2.1	BRONZE 380	HACI	5/6 OF 10
1.H. EXTERIOR MULLION-DW2000.41	BRONZE 380	HACI	7/6 OF 10
1.I. INTERIOR MULLION-DW2000.40	BRONZE 380	HACI	8/6 OF 10
1.K. MEETING STILE-DW2000.08	BRONZE 380	HACI	9/6 OF 10
1.L. APPLIED BRICKMOLD-DW2000.15	BRONZE 380	HACI	10/6 OF 10
1.N. MEETING STILE-CR99B2.3	BRONZE 380	HACI	12/6 OF 10
GASKETS			
2.A. SILICONE GASKET-DW2000.G1	SILICONE	WEST COAST	14/6 OF 10
2.B. SILICONE GASKET-CR99S6	SILICONE	WEST COAST	15/6 OF 10
2.C. SILICONE GASKET-CR99S6A	SILICONE	WEST COAST	16/6 OF 10
HARDWARE			
3.A. 4" HINGE			2/8 OF 10
A. FINAL (NOT TESTED)	BRONZE 380	HACI	
B. 1/4" S.S. HINGE PIN	STAINLESS STEEL	HACI	
C. JAMB LEAF	BRONZE 380	HACI	
D. SASH LEAF	BRONZE 380	HACI	
3.B. MULTI-ROLLER LEVER LATCH			1/7 OF 10
A. #10 FHMS	BRONZE 380	HACI	
B. ROLLER SHOULDER SCREW	BRONZE 380	HACI	
C. ROLLER	BRONZE 380	HACI	
D. TOP GUIDE	BRONZE 380	HACI	
E. LEVER	BRONZE 380	HACI	
F. WINDOW LEVER HOUSING	BRONZE 380	HACI	
G. WASHER	BRONZE 380	HACI	
H. LEVER LINKAGE	BRONZE 380	HACI	
I. GUIDE	BRONZE 380	HACI	
J. ROD	BRONZE 380	HACI	
K. ROLLER DOCK	BRONZE 380	HACI	
L. #10 PHMS	BRONZE 380	HACI	
M. WASHER	BRONZE 380	HACI	
N. ROD LINKAGE ARM	BRONZE 380	HACI	
O. BOLT	BRONZE 380	HACI	
P. FINGER PULL	BRONZE 380	HACI	
3.C. MULTI-DOG LEVER LATCH			1/8 OF 10
A. ROD	BRONZE 380	HACI	
B. RECEIVER	BRONZE 380	HACI	
C. #10 FHMS	BRONZE 380	HACI	
D. DOG	BRONZE 380	HACI	
E. BOTTOM ROD	BRONZE 380	HACI	
F. SHOULDER SCREW	BRONZE 380	HACI	
G. SLIDE BLOCK	BRONZE 380	HACI	
H. DOG PIN	BRONZE 380	HACI	
I. NEST	BRONZE 380	HACI	
J. TOP ROD	BRONZE 380	HACI	
K. LEVER	BRONZE 380	HACI	
L. WASHER	BRONZE 380	HACI	
M. WINDOW LEVER HOUSING	BRONZE 380	HACI	
N. WASHER	BRONZE 380	HACI	
O. ROD LINKAGE ARM	BRONZE 380	HACI	
P. WASHER	BRONZE 380	HACI	
Q. BOLT	BRONZE 380	HACI	
R. LEVER LINKAGE	BRONZE 380	HACI	
S. FINGER PULL	BRONZE 380	HACI	

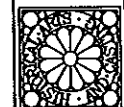
PART DESCRIPTION	MATERIAL	MANUFACTURER	DET/SHEET
3.HARDWARE (CONTINUED)			
3.D. CREMONE BOLT ASSEMBLY			2/7 OF 10
A. CREMONE BOXCR99B4.3A	BRONZE 380	HACI	
B. 4) #10-24X1/2 F.H.M SCREW BRASS	BRASS 360	HACI	
C. COVER PLATE CR99B4.3B	BRONZE 380	HACI	
C1. 2) 8/32 X1/4 F.H.M SCREW BRASS	BRASS 360	HACI	
D. ROCKER ARM CR99B4.3C	BRONZE 380	HACI	
E. DOG RH CR99B4.3DR	BRONZE 380	HACI	
F. DOG RL CR99B4.3DL	BRONZE 380	HACI	
G. LEVER HANDLE CR99B4.3E	BRONZE 380	HACI	
H. LEVER BOLT CR99B4.3F	BRONZE 380	HACI	
I. CREMONE BOX SUPPORT PLATE CR99B4.3G	BRONZE 380	HACI	
J. 1/4-20X 1/2F.H.M.SCREWS BRASS	BRASS 360	HACI	
K. 1/2 DIA. CREMONE ROD R.H.T. CR99B4.3HR	BRONZE 380	HACI	
L. 1/2 DIA. CREMONE ROD L.H.T.CR99B4.3HL	BRONZE 380	HACI	
M. CREMONE STIKE CR99B4.3I	BRONZE 380	HACI	
N. 3/8"BRASS ROLLER	BRASS 360	HACI	
O. 3/16" S.S.DOWL PIN	STAINLESS STEEL	HACI	
P. ROD GUIDE CR99B4.3J	BRONZE 380	HACI	
Q. ROD GUIDE HEAVY DUTY CR99B4.3J1	BRONZE 380	HACI	
R. ROD GUIDE W/ LOCKING MECH..	BRONZE 380	HACI	
S. 1/4-20 FHMS SCREWS BRASS	BRASS 360	HACI	
T. 10-24X1/2 F.H.M.S. BRASS (DOORS 1/4-20	BRONZE 380	HACI	
U. 10/32X3/8 F.H.M. SCREW BRASS	BRASS 360	HACI	
V. 1/4" BALL PLUNGER	BRONZE 380	HACI	
W. LATCH BRACKETS RH CR99B4.3LR	BRONZE 380	HACI	
X. LATCH BRACKETS RH CR99B4.3LR	BRONZE 380	HACI	
Y. LATCH BRACKETS RH CR99B4.3LR	BRONZE 380	HACI	
Z. LATCH BRACKETS LH CR99B4.3LL	BRONZE 380	HACI	
AA. LATCH BRACKETS LH CR99B4.3LL	BRONZE 380	HACI	
BB. LATCH BRACKETS LH CR99B4.3LL	BRONZE 380	HACI	
CC. #10-24X3/4 F.H.M.S. BRASS	BRONZE 380	HACI	
DD. FIXED HANDLE CR99B4.3M	BRONZE 380	HACI	
EE. LOCKING LATCH CR99B4.3K	BRONZE 380	HACI	
FF. LOCKING LATCH W/ STOP CR99B4.3KA	BRONZE 380	HACI	
GG. 1/4-20X1/2 F.H.M.B.BRASS	BRASS 360	HACI	
3.E. CRANK ARM SLIDE CR99B4.4	BRONZE 380	HACI	13/6 OF 10
A. 10-24X3/4 F.H.M. SCREW BRASS	BRASS 360	HACI	
3.F. CRANK ASSEMBLY			1/9 OF 10
A. BRONZE BODY CR99B4.5	BRONZE 380	HACI	
B. #10X1 1/2"FLAT HEAD WOOD SCREW BRASS	BRASS 360	HACI	
C. COVER PLATE CR99B4.5A	BRONZE 380	HACI	
D. #8-32 X1/2" F.H.M.SCREW BRASS	BRASS 360	HACI	
E. SHAFT GEAR CR99B4.5B	BRONZE 380	HACI	
F. WORM GEAR CR99B4.5C	BRONZE 380	HACI	
G. RETAINING WASHER	BRONZE 380	HACI	
H. 10-24X3/4 F.H.M. SCREW BRASS	BRASS 360	HACI	
I. SWING ARM CR99B4.5E	BRONZE 380	HACI	
J. 1/8" S.S ROLL PIN	BRONZE 380	HACI	
K. SWING ARM BRACKET CR99B4.5F	BRONZE 380	HACI	
L. SWING ARM SPRING CLIP CR99B4.5G	BRONZE 380	HACI	
M. 1/4X1/2 BRASS RIVETS	BRASS 360	HACI	
N. CRANK HANDLE CR99B4.5H	BRONZE 380	HACI	
O. KNOB CR99B4.5I	BRONZE 380	HACI	
P. KNOB SCREW BRASS CUSTOM CR99B4.5J	BRASS 360	HACI	
Q. CRANK HANDLE PLATE CR99B4.5K	BRONZE 380	HACI	
R. #10X1 1/2" FLAT HEAD WOOD SCREW BRASS	BRASS 360	HACI	
S. CRANK HANDLE COLLAR CR99B4.5L	BRONZE 380	HACI	
T. 1/8"X 1/2 DIA S.S.ROLL PIN	STAINLESS STEEL	HACI	
3.G. FLUSH BOLTS	BRONZE 380	HACI	2&3/9 OF 10
A. FLUSH BOLT (LOWER) CR99B4.7B	BRONZE 380	HACI	2/9 OF 10
B. 10/24X1/2 F.H.M SCREW BRASS	BRASS 360	HACI	
C. FLUSH BOLT (UPPER) CR99B4.7C	BRONZE 380	HACI	3/9 OF 10
D. 10/24X1/2 F.H.M.B SCREW BRASS	BRASS 360	HACI	
E. FLUSH BOLT STRIKE PLATE	BRONZE 380	HACI	
F. 10/24X 3/4 F.H.M.B SCREW BRASS	BRASS 360	HACI	
4. GLASS & GLAZING			1 OF 10
A. GLASS 9/16" LAMINATED GLASS			
B. 1/8" FOAM GLAZING TAPE EXTERIOR	NORSEAL	NORTON	
C. 1/8" FOAM GLAZING TAPE INTERIOR	NORSEAL	NORTON	
D. SEALANT DOW 795	SILICONE	DOW	
E. SEALANT DOW 995	SILICONE	DOW	

PRODUCT REVISED
s complying with the Florida
Building Code
Acceptance No. 13-121726
Expiration Date 03/29/2017
by *[Signature]*
Miami Dade Product Control

[Signature]
SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312

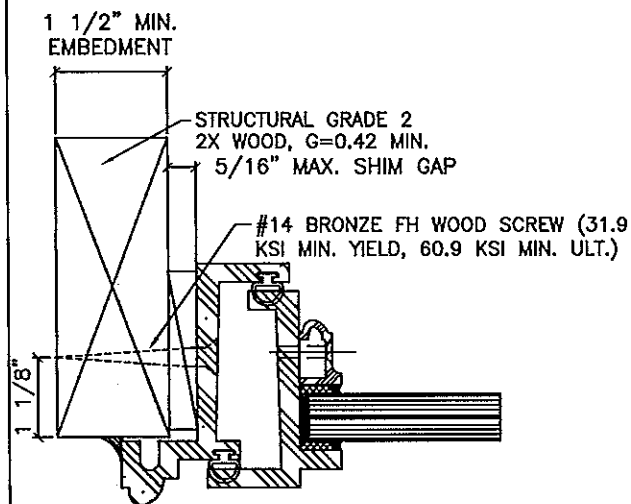
PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS

HISTORICAL ARTS & CASTING, INC.
5580 West Bayley Park Rd., West Jordan, UT 84081
PHONE 801-280-2400 FAX 801-280-2495

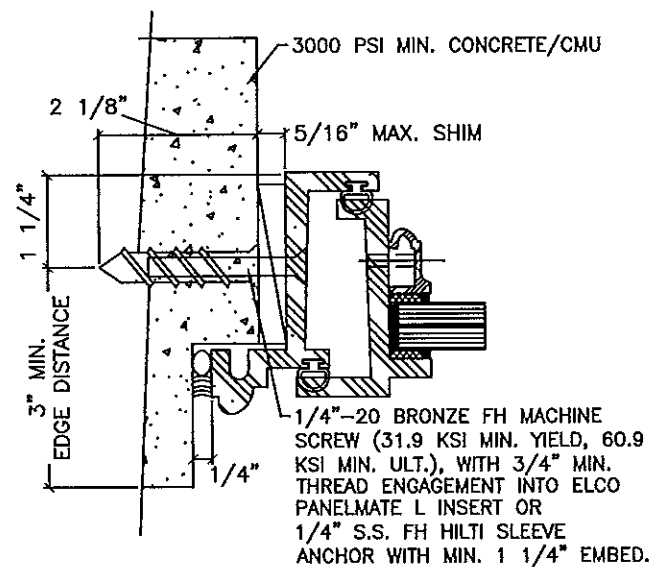


NOTES	12/6/13	RKH
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3 OF 10		

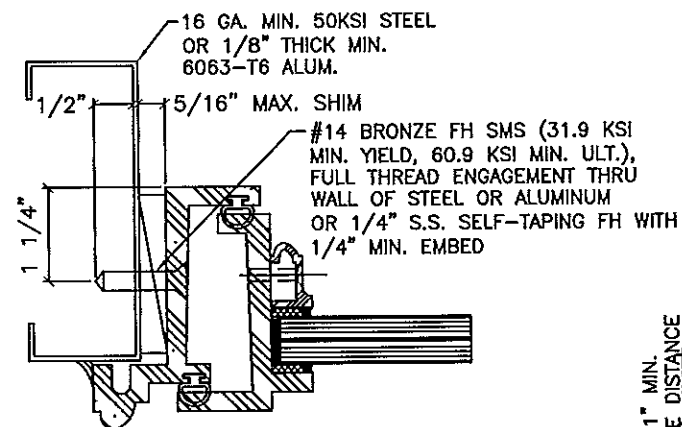
MOUNTING OPTIONS



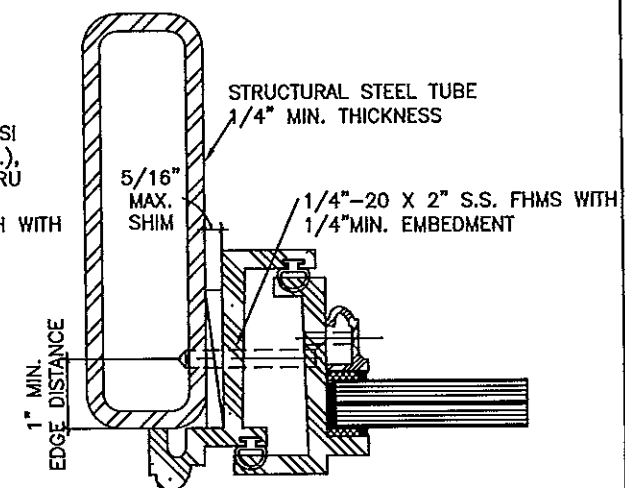
① MOUNT TO WOOD



(2) MOUNT TO CONCRETE




(3) MOUNT TO METAL



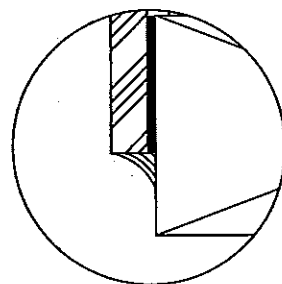
(4) MOUNT TO STEEL TUBE

LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS
FASTENER SPACING PER ELEVATIONS ON SHEET 2

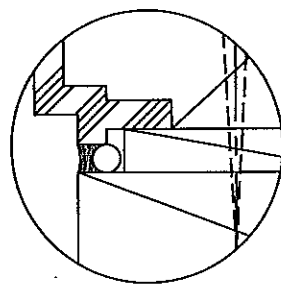
PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. **13-121726**
Expiration Date **03/29/2017**
by *[Signature]*
Miami Dade Product Control


SCOTT WALTERS
FLPE# 62354
WALTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312

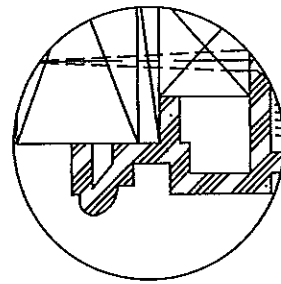
MOLDING OPTIONS



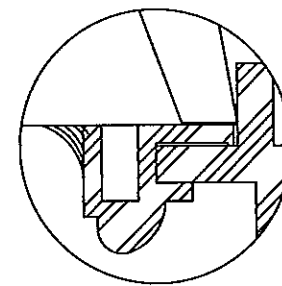
① FLAT MOLDING



② FLUSH MOLDING




③ STANDARD BRICK MOLDING



④ APPLIED BRICK MOLDING

LISTED IN NO PARTICULAR ORDER. SEALANT APPLIED BY OTHERS

PALMETTO SERIES OUTSTANDING BRONZE CASEMENT WINDOWS

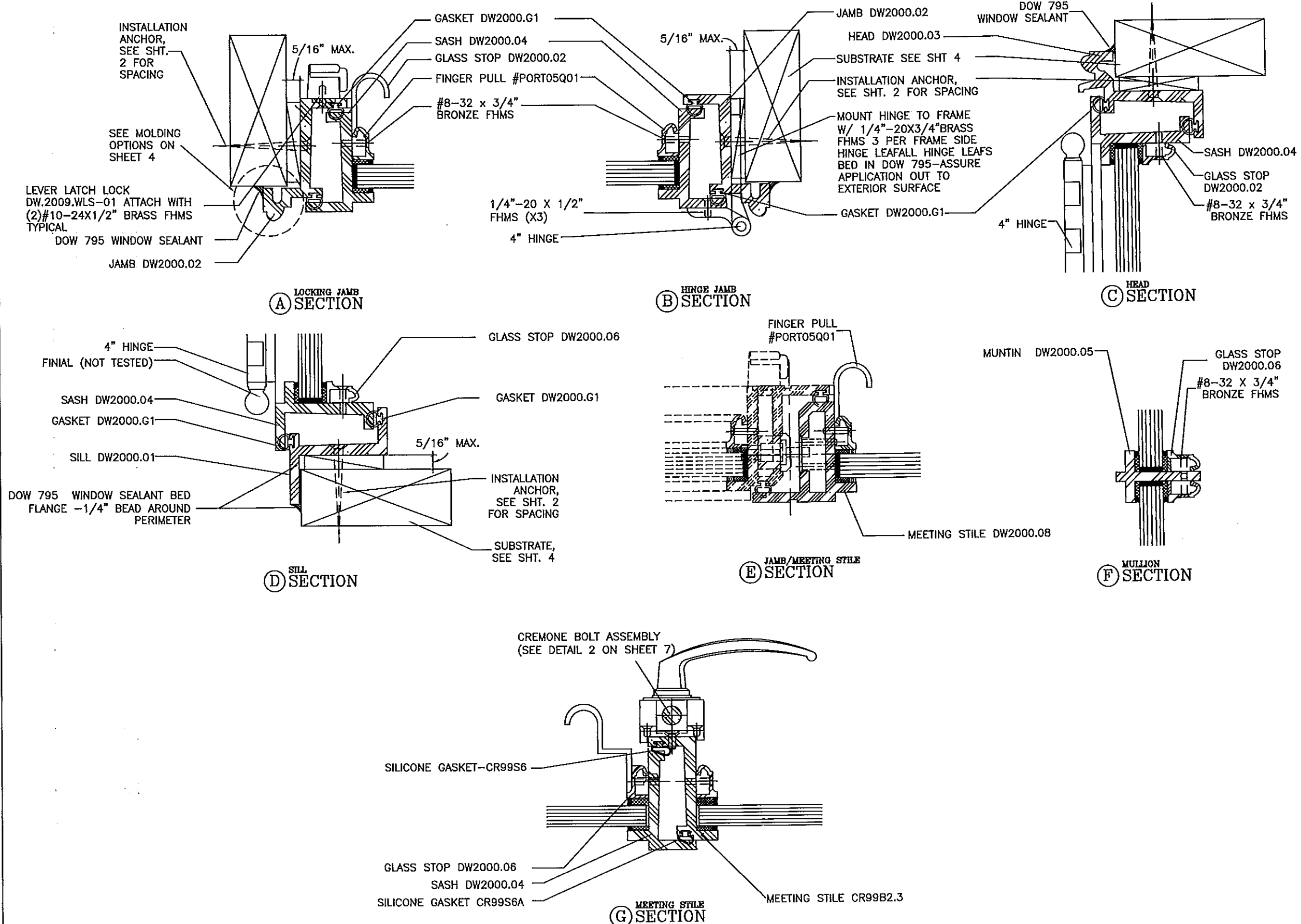


HISTORICAL ARTS & CASTING, INC.
 5580 WEST Bagley PARK Rd., WEST JORDAN, UT. 84081
 PHONE 801-280-2400 FAX 801-280-2493

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4 OF 10

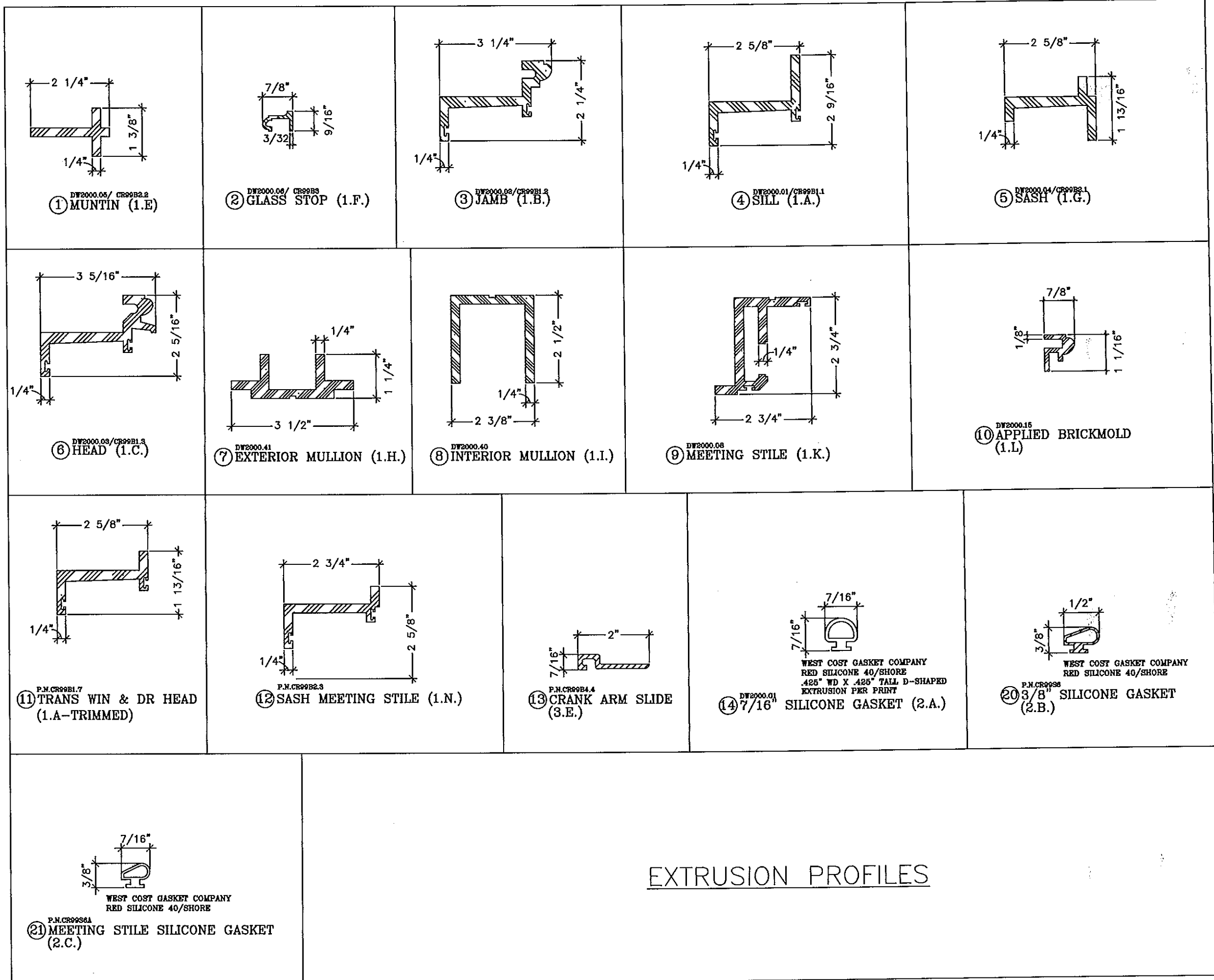
SECTION DETAILS



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as complying with the Florida
Building Code
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Expiration Date 03/29/2017
By *[Signature]*
Miami Dade Product Control

[Signature]
SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312


PALMETTO SERIES OUTSWING CASEMENT WINDOW	HISTORICAL ARTS & CASTING, INC.		12/6/13	RKH
	5580 WEST Bayley Park Rd., WEST JORDAN, UT. 84081			
	PHONE 801-280-2400			
	FAX 801-280-2493			
	NOTES	REVISIONS		
	5 OF 10			



ALL METAL EXTRUSIONS
BRONZE ALLOY 380

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is complying with the Florida
Building Code
Acceptance No. 13-1217-26
Expiration Date 03/29/2017
by *Valerie Davis*
Miami Dade Product Control

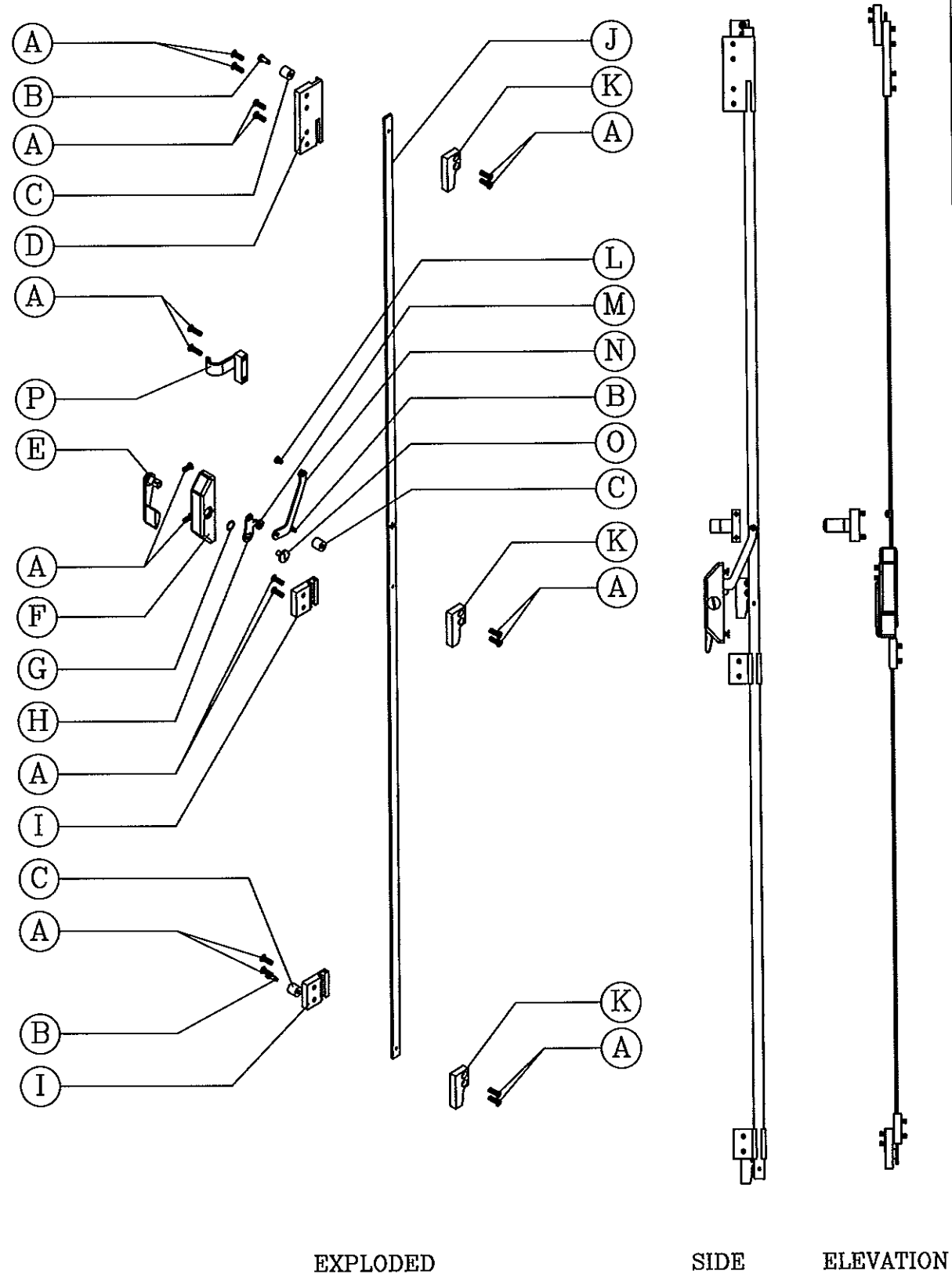
Scott Walters
SCOTT WALTERS
FLPE# 62354
WALTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312
JUL 17 2014

PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS		HISTORICAL ARTS & CASTING, INC. 5580 WEST BADELEY PARK RD., WEST JORDAN, UT. 84081 PHONE 801-280-2400 FAX 801-280-2495		12/6/13		RKH
		NOTES		REVISIONS		
		6 OF 10				

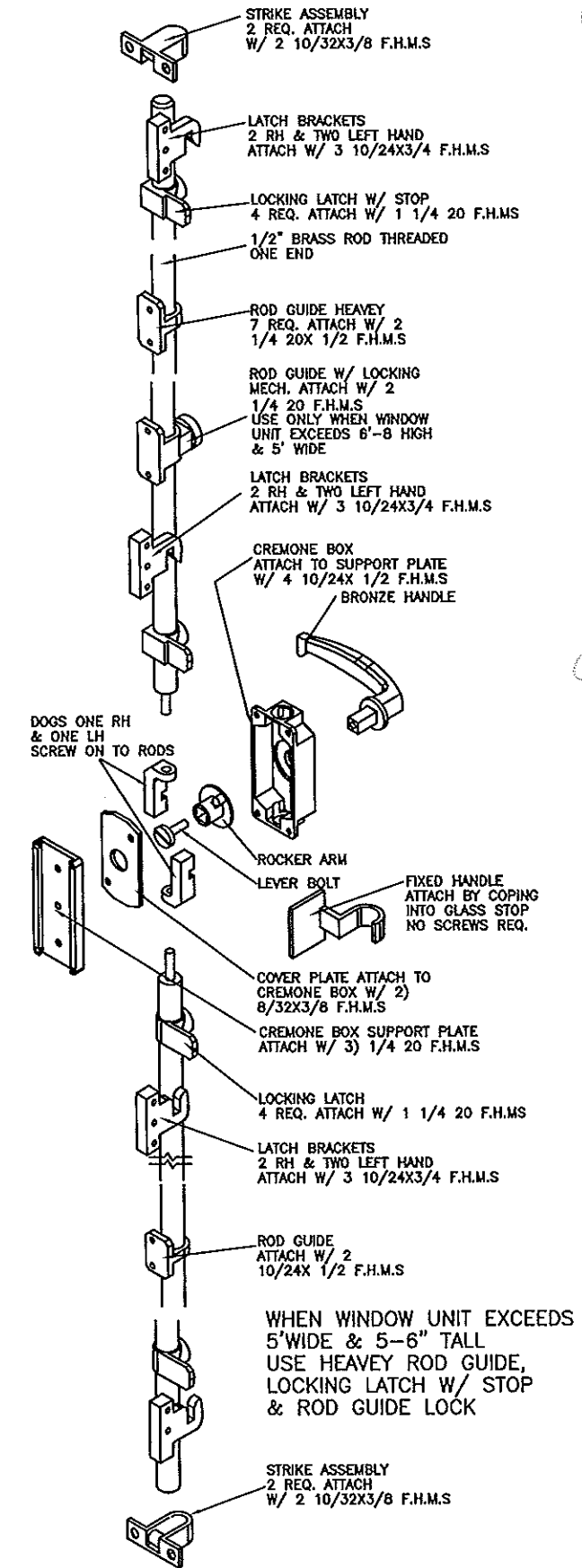
EXTRUSION PROFILES

HARDWARE DETAILS

DW.2009.WLS-01	
NUMBER	PART
A	#10 FHMS
B	3/16" X 3/8"-8/32" ROLLER SHOULDER SCREW
C	ROLLER
D	TOP GUIDE
E	LEVER
F	WINDOW LEVER HOUSING
G	WASHER
H	LEVER LINKAGE
I	GUIDE
J	ROD
K	ROLLER DOCK
L	#10 PHMS
M	WASHER
N	ROD LINKAGE ARM
O	BOLT
P	FINGER PULL




1) HADI-MULTI ROLLER LEVER LATCH
DW.2009.WLS-01



(2) EXPLODED CREMON BOLT

PRODUCT REVISED
is complying with the Florida
Building Code 13-1217.26
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by [Signature]
Miami Dade Product Control


SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312

PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS

HISTORICAL ARTS & CASTING, INC.
55580 WEST BUCKLEY PARK RD., WEST JORDAN, UT. 84081
TEL 904-250-2408

PHONE 801-280-2400 FAX 801-280-2493

12/6/13

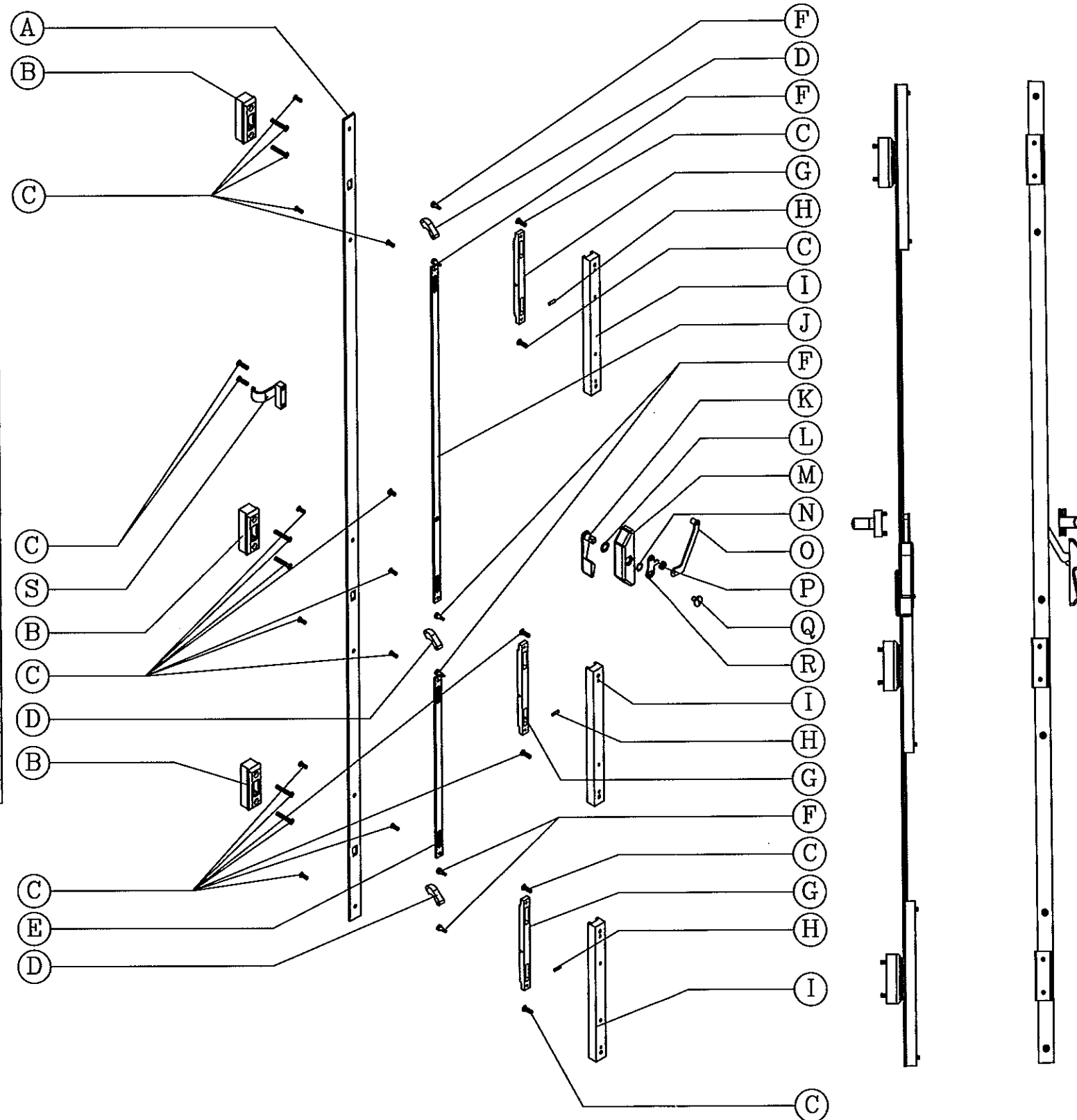
RKH

NOTES	REVISIONS
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HARDWARE DETAILS

DW.2009.WLS-02	
NUMBER	PART
A	ROD
B	RECEIVER
C	#10 FHMS
D	DOG
E	BOTTOM ROD
F	3/16" X 3/8"-8/32" SHOULDER SCREW
G	SLIDE BLOCK
H	DOG PIN
I	NEST
J	TOP ROD
K	LEVER
L	WASHER
M	WINDOW LEVER HOUSING
N	WASHER
O	ROD LINKAGE ARM
P	WASHER
Q	BOLT
R	LEVER LINKAGE
S	FINGER PULL

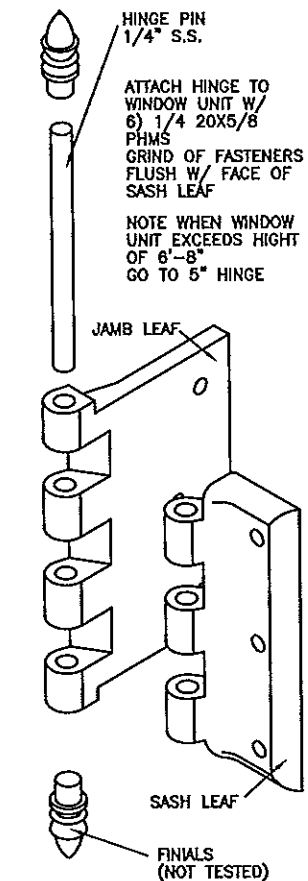


EXPLODED

ELEVATION

SIDE

1 Hagi-Multi Dog Lever Latch
DW.2009.WLS-02



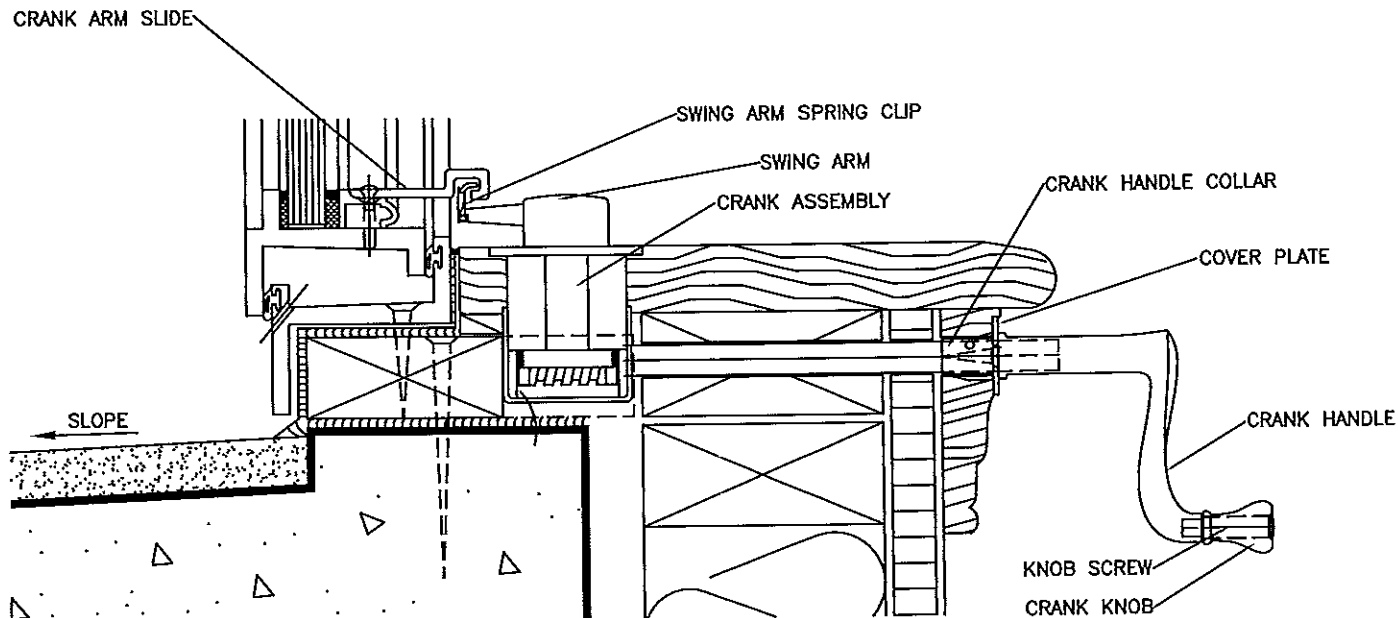
2 EXPLODED 4" HINGE

PRODUCT REVISED
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by *[Signature]*
Miami Dade Product Control

[Signature]
SCOTT WOLTERS
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WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
FT. LAUDERDALE, FL 33312
JUL 17 2014


PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS		HISTORICAL ARTS & CASTING, INC.	
5580 West Bayley Park Rd., West Jordan, UT. 84081		5580 West Bayley Park Rd., West Jordan, UT. 84081	
PHONE 801-280-2400		FAX 801-280-2493	
NOTES		REVISIONS	
12/6/13		RKH	
8 OF 10			

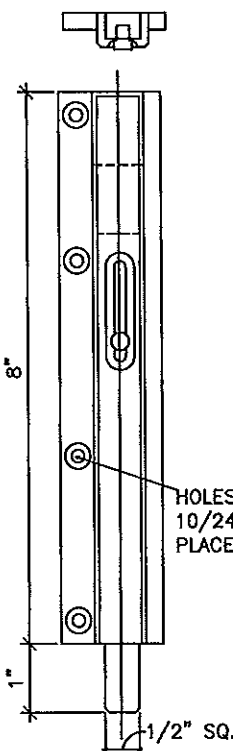
HARDWARE DETAILS



① TYPICAL CRANK ASSEMBLY

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By Juan Luis
Miami Dade Product Control

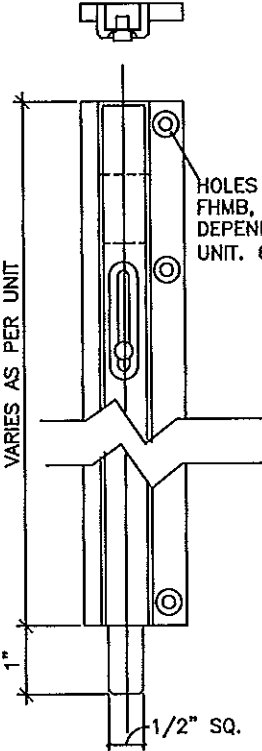

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WOLTERS ENGINEERING, INC.
(COA# 27194)
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2 LOWER, PH CR99B4.77
FLUSH BOLT

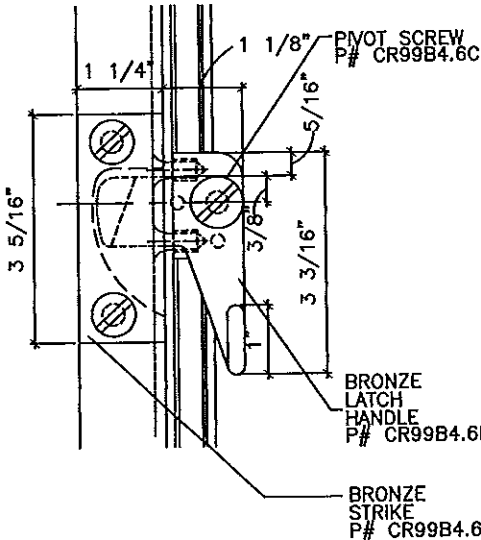
HOLES DRILLED FOR
10/24X1/2 FHMB, 4
PLACES REQ'D.

FLUSHBOLTS REQUIRED ON UNITS OVER 6'-7 1/4" IN HEIGHT

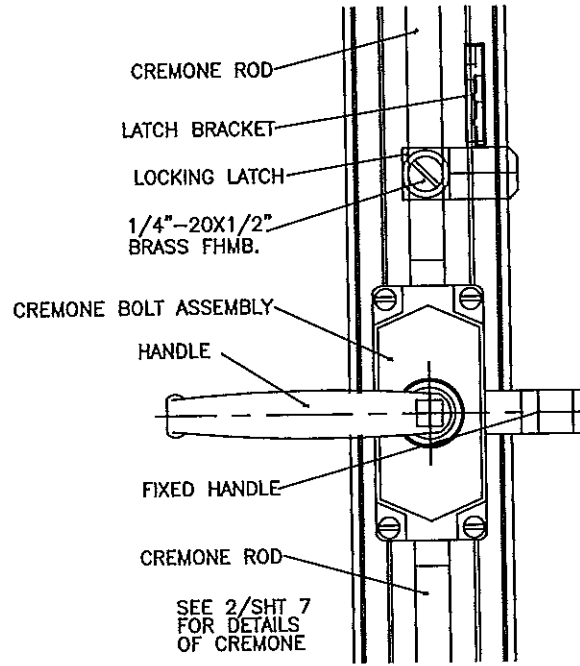


3 UPPER, PM CR98B4.2
FLUSH BOLT

HOLES DRILLED FOR 10/24
FHMB, NO PLACES
DEPENDS ON HEIGHT OF
UNIT. 6" O.C. MAX.



④ LOCK SYSTEM FOR ONE SASH WINDOW



⑤ CREMONE BOLT DETAIL

PALMETTO SERIES OUTSTANDING BRONZE CASEMENT WINDOWS

HISTORICAL ARTS & CASTING, INC.

5580 WEST BAGLEY PARK RD., WEST JORDAN, UT. 84081
TELEPHONE 904-280-2400 FAX 801-280-2493

FAX 801-280-2493

PHONE 801-280-2400

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RKH

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NOTE

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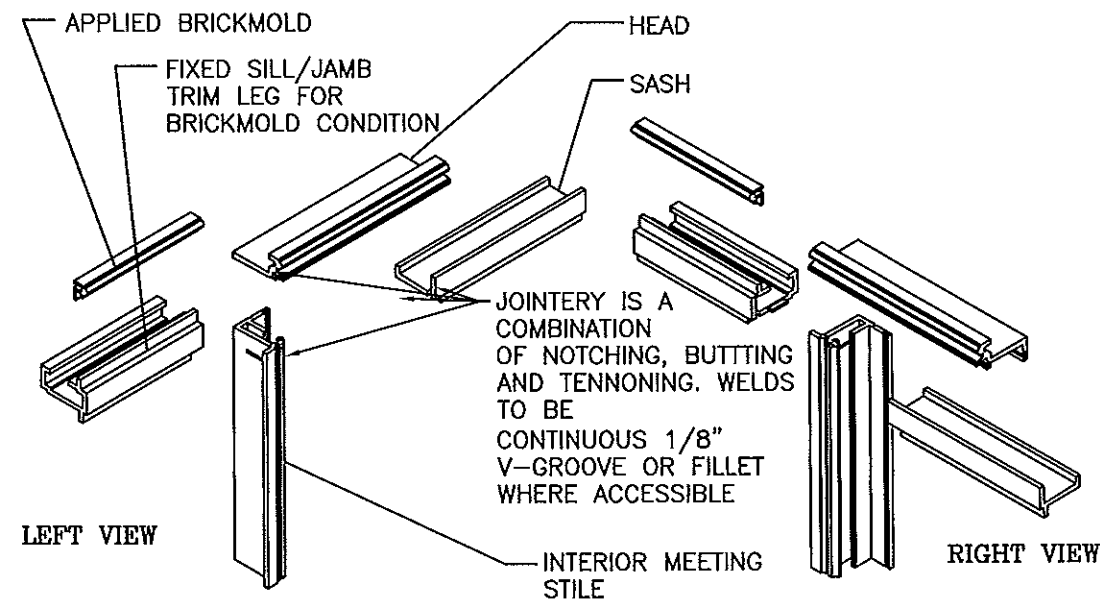
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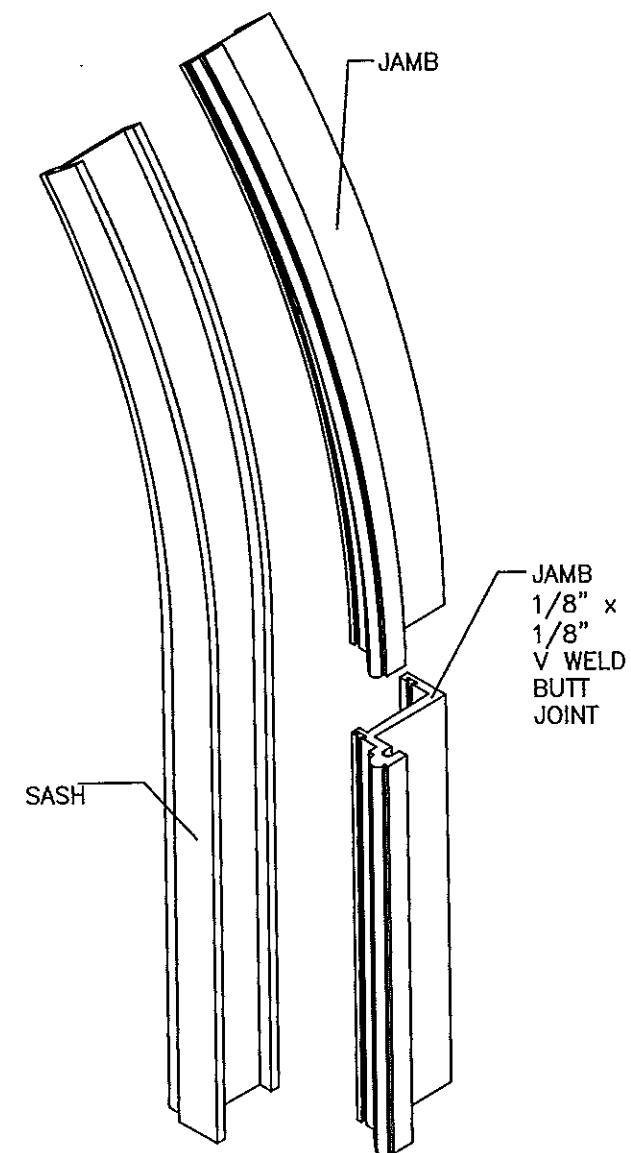
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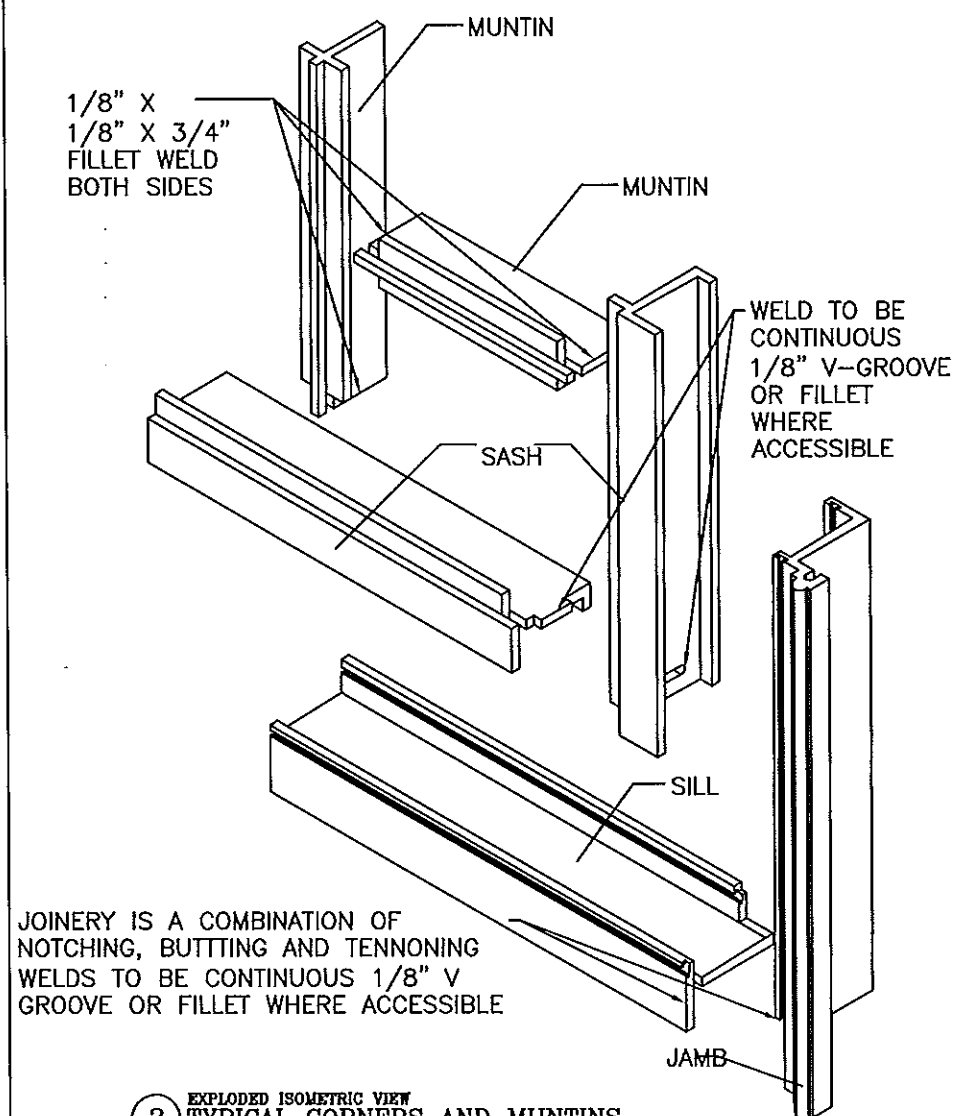


1 EXPLODED ISOMETRIC VIEW
TYPICAL FIXED TO CASEMENT MEETING RAIL

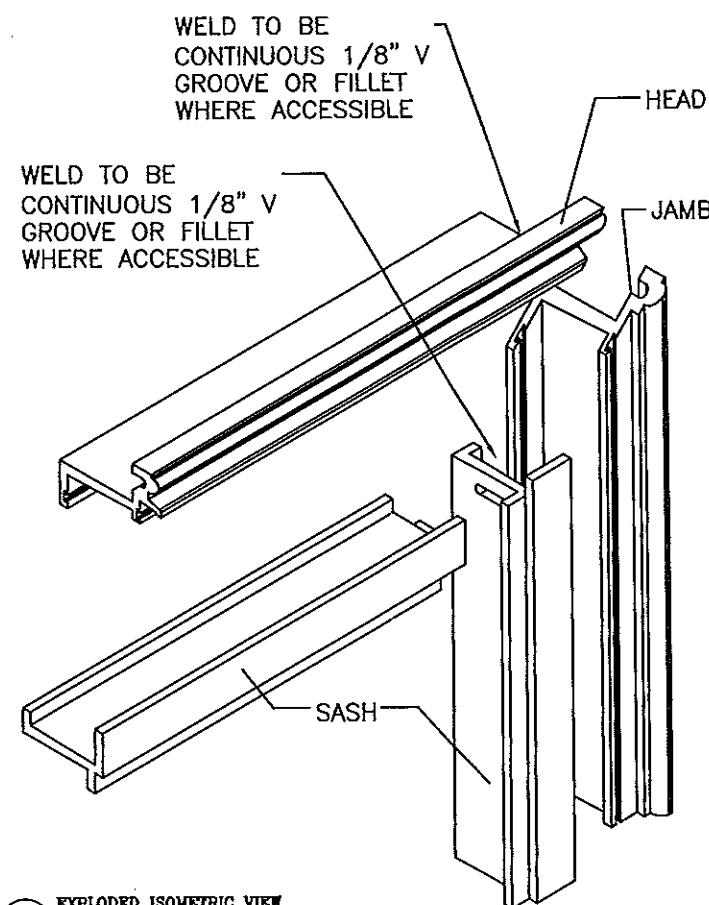
ISOMETRIC VIEWS



4 EXPLODED ISOMETRIC VIEW
TYPICAL CURVED HEAD TO JAMB



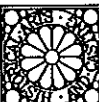
2 EXPLODED ISOMETRIC VIEW
TYPICAL CORNERS AND MUNTINS



3 EXPLODED ISOMETRIC VIEW
ALTERNATE CORNER

PRODUCT REVISED
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By *[Signature]*
Miami Dade Product Control

[Signature]
SCOTT WOLTERS
FLPE# 62354
WOLTERS ENGINEERING, INC.
(COA# 27194)
1725 SW 25TH AVENUE
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PALMETTO SERIES OUTSWING BRONZE CASEMENT WINDOWS	HISTORICAL ARTS & CASTING, INC.		12/6/13	RKH
	5580 WEST Barry PARK Rd., WEST JORDAN, UT. 84081			
	PHONE 801-280-2400 FAX 801-280-2493			
	NOTES		REVISIONS	
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